

Converting Colors

`RYB(218, 176, 232)`

Have a look what the booklet for
RYB(218, 176, 232) contains.

RYB(218, 176, 232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(218, 176, 232)

Conversions

Conversions Part 1

Format	Color
Hex	DAB0E8
RGB	218, 176, 232
RGB Percent	85%, 69%, 91%
CMY	0.1451, 0.3098, 0.0902
CMYK	0.06, 0.24, 0.00, 0.09
HSL	285°, 55%, 80%
HSV	285°, 24%, 91%
XYZ	59.0043, 51.7823, 83.2291
YIQ	194.9420, 7.0560, 26.3200

Conversions

Conversions Part 2

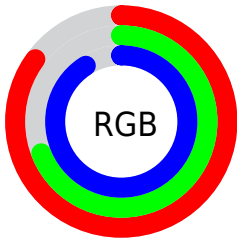
Format	Color
R_{YB}	218, 176, 232
Decimal	14332136
CIE _{Lab}	77.15, 25.02, -22.26
CIE _{LCh}	77, 33.492, 318.339
Yxy	51.7823, 0.3041, 0.2669
Android (android.graphics.Color)	4292522216 (0xFFDAB0E8)
YUV	194.9420, 18.2696, 20.2219
Hunter-Lab	71.9599, 20.4331, -18.2031

Details

The RYB color **218, 176, 232** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **176, 232, 218**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **255, 232, 255**, and **163, 123, 176** is the 20% darker color. If you saturate the color by 10%, you get **212, 153, 232**, and if you desaturate by 10%, it is **224, 199, 232**.

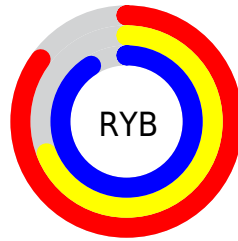
Distribution



Red (85%)

Green (69%)

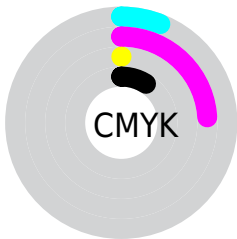
Blue (91%)



Red (85%)

Yellow (69%)

Blue (91%)

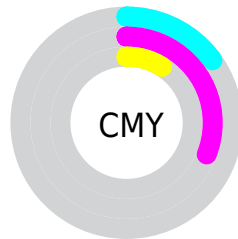


Cyan (6%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (15%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the RYB color 218, 176, 232 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 218, 176, 232 by changing the saturation by 10% instead.

 218, 176, 232

255, 255, 255

 255, 232, 255

 218, 176, 232


 190, 149, 204

 163, 123, 176

 136, 98, 149

 110, 74, 124

 85, 50, 98

 61, 28, 74


 38, 6, 52


 13, 0, 30


 0, 0, 0

 218, 176, 232


 218, 176, 232

 212, 153, 232

 224, 199, 232

 206, 130, 232

 230, 222, 232

 201, 106, 232


 232, 246, 243

 195, 83, 232

 232, 255, 246

 189, 60, 232

 232, 255, 240

 183, 37, 232

 232, 255, 234

 177, 14, 232

 232, 255, 232

 174, 0, 232

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



178, 186, 249



218, 176, 232



244, 169, 204

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



218, 176, 232



197, 223, 130



93, 150, 209

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



218, 176, 232



176, 232, 218

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121, 173, 207



218, 176, 232



131, 195, 133

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



218, 176, 232



245, 186, 145



148, 202, 193



95, 156, 236

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



218, 176, 232



252, 167, 183



148, 202, 193



100, 157, 208

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



218, 176, 232



251, 237, 255



176, 187, 232



125, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



218, 176, 232



237, 181, 255



232, 176, 218



112, 103, 115



134, 0, 179



38, 0, 51

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



232, 176, 190



255, 181, 200



176, 221, 232



115, 103, 106



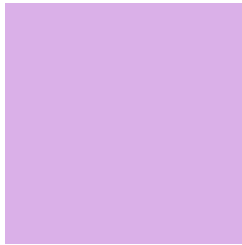
179, 0, 45



51, 0, 13

Previews

White Background



This preview shows how the RYB color 218, 176, 232 looks on a white background.

Color Contrast Check

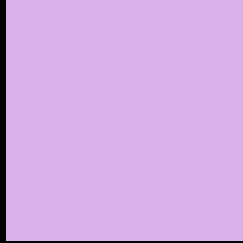
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 218, 176, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 218, 176, 232 Background



This preview shows how black text looks on a background with the RYB color 218, 176, 232.

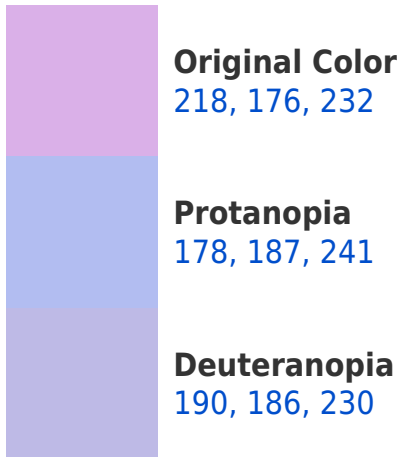



This preview shows how white text looks on a background with the RYB color 218, 176, 232.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
213, 182, 197

Trichromacy



Original Color
218, 176, 232

Protanomaly
193, 184, 238

Deuteranomaly
200, 182, 231

Tritanomaly
215, 180, 210

Monochromacy



Original Color
218, 176, 232

Achromatopsia
195, 195, 195

Achromatomaly
203, 188, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 176, 232 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(218, 176, 232) looks like.

```
.text, #text, p{  
    color:rgb(218, 176, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(218, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 176, 232) }
```

Border

The CSS property to change the border of an element to RYB 218, 176, 232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 176, 232) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(218, 176, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(218, 176, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(218, 176,  
232) }
```

Background

The CSS property to change the background color of an element to RYB 218, 176, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 176, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(218,  
176, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor